

National Aeronautics and
Space Administration



NASA Education

2015–2016



Inspire Engage, Educate, Employ.



NASA EDUCATION MISSION

**Advance high-quality
STEM education using NASA's
unique capabilities.**

WHO WE ARE

Education is an essential part of NASA's mission to "drive advances in science, technology, aeronautics, and space exploration to enhance knowledge, education, innovation, economic vitality, and stewardship of Earth."

NASA's Offices, Mission Directorates, and Centers work together to offer unique educational experiences to learners, educators, and institutions. We connect you to NASA's content, Web sites, people, resources, and facilities.

NASA Education aligns with the Federal Committee on Science, Technology, Engineering, and Mathematics (CoSTEM) to improve STEM education across the United States and has representatives on all five CoSTEM priority area working groups.

WHAT WE DO

INSPIRE: NASA Education programs engage Americans in NASA's mission and inspire interest in science, technology, engineering, and mathematics, or STEM. We support the Nation's elementary and secondary schools, colleges, and universities by providing research and internship opportunities to fuel a vibrant culture of learning in STEM education.

ENGAGE: NASA Education provides exciting, engaging opportunities for learners of all ages to explore and develop their full potential. By empowering today's learners, educators, and institutions with knowledge and technical skills, we are preparing the next generation of innovators to compete in a challenging global economy.

EDUCATE: NASA Education provides unique and memorable educational experiences for students, teachers, and the public. We offer professional development and research opportunities for preservice, inservice, and informal educators, as well as university professors. NASA's educational programs play a significant role in strengthening our Nation's STEM education pipeline.

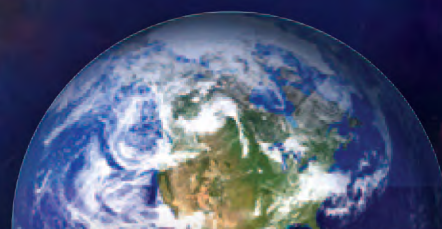
EMPLOY: NASA Education provides targeted development of diverse individuals who prepare for employment in disciplines needed to achieve NASA's mission and strategic goals. Through internships, fellowships, and other professional training, individuals become participants in America's space program.

AERONAUTICS | EARTH | ISS | MARS | SOLAR SYSTEM & BEYOND | TECHNOLOGY

REACH
—NEW—
HEIGHTS

REVEAL
—THE—
UNKNOWN

BENEFIT
—ALL—
HUMANKIND



HOW WE DO IT

NASA Education provides unique educational experiences to learners, educators, and institutions through four initiatives:



STEM ENGAGEMENT

Provides opportunities for participatory and experiential learning activities in formal and informal education settings to connect learners to NASA-unique resources.



EDUCATOR PROFESSIONAL DEVELOPMENT

Uses NASA's missions, education resources, and unique facilities to provide high-quality STEM content and hands-on learning experiences to K-12, informal, and preservice educators.



NASA INTERNSHIPS, FELLOWSHIPS, AND SCHOLARSHIPS

Leverage NASA's unique missions and programs to enhance and increase the capability, diversity, and size of the Nation's future STEM workforce.



INSTITUTIONAL ENGAGEMENT

Increases STEM capabilities at formal and informal educational institutions and organizations by incorporating content based on NASA's missions.

OUR PROGRAMS

NASA Education programs are available in all 50 states, the District of Columbia (DC), and Puerto Rico. The Office of Education has two primary programs, the STEM Education and Accountability (SEA) program and Aerospace Research and Career Development (ARCD). NASA also accomplishes its educational goals through its strong, mutually beneficial relationships with external partners. NASA actively recruits learners who are underrepresented and underserved in STEM fields, including minorities, women and girls, and persons with disabilities.

SEA: The SEA program, through support for NASA Centers and competitive awarding of Federal domestic assistance funds, provides learners and educators with access to NASA assets. SEA's Minority University Research and Education Project (MUREP) and STEM Education and Accountability Projects (SEAP) connect NASA's partners to NASA's scientific discoveries, aeronautics research, and exploration endeavors to support the Nation's STEM education priorities.

ARCD: The ARCD program strengthens the research capabilities of the Nation's colleges and universities and provides opportunities that attract and prepare an increasing number of students for NASA-related careers. Projects in the ARCD program are the National Space Grant College and Fellowship Program (Space Grant) and the Experimental Program to Stimulate Competitive Research (EPSCoR). Both are competitive grant opportunities.

NASA OFFICE OF EDUCATION

CONNECTING WITH NASA EDUCATION

NASA Education points of contact can be found online at
<http://www.nasa.gov/offices/education/contacts/index.html>

PARTICIPATING IN NASA EDUCATION PROGRAMS

Visit the Education Web site of the NASA Center in your region for information about local programs and activities. The list can be found at
<http://www.nasa.gov/offices/education/centers/index.html>

NASA INTERNSHIPS, FELLOWSHIPS, AND SCHOLARSHIPS

To apply for NASA internships, fellowships, and scholarships, visit
<https://intern.nasa.gov/>

NASA MISSION DIRECTORATES

AERONAUTICS RESEARCH

<http://www.aeronautics.nasa.gov/education.htm>

HUMAN EXPLORATION AND OPERATIONS

<http://www.nasa.gov/directorates/heo/education/index.html>

SCIENCE

<http://science.nasa.gov/>
<http://nasawavelength.org/>

SPACE TECHNOLOGY

http://www.nasa.gov/directorates/spacetech/about_us/index.html



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NASA CENTER EDUCATION OFFICES

AMES RESEARCH CENTER

ARMSTRONG FLIGHT RESEARCH CENTER

GLENN RESEARCH CENTER

GODDARD SPACE FLIGHT CENTER

JET PROPULSION LABORATORY

JOHNSON SPACE CENTER

KENNEDY SPACE CENTER

LANGLEY RESEARCH CENTER

MARSHALL SPACE FLIGHT CENTER

STENNIS SPACE CENTER

Please visit <http://www.nasa.gov/offices/education/centers/> for more information about the above education offices.

NASA EDUCATION AWARDS

NATIONAL SPACE GRANT CONSORTIUM WEB SITES

http://www.nasa.gov/offices/education/programs/national/spacegrant/home/Space_Grant_Consortium_Websites.html

EXPERIMENTAL PROGRAM TO STIMULATE COMPETITIVE RESEARCH (EPSCoR) DIRECTORS BY STATE/JURISDICTION

http://www.nasa.gov/offices/education/programs/national/epscor/home/EPSCoR_Directors.html

MUREP REPRESENTATIVE PROJECTS

<http://www.nasa.gov/offices/education/programs/national/murep/projects/index.html>

NASA EARTH SYSTEMS, TECHNOLOGY, AND ENERGY EDUCATION FOR MUREP (NASA ESTEEM) GRANTEES

<http://esteem.larc.nasa.gov/>

AWARDEES OF THE COMPETITIVE PROGRAM FOR SCIENCE MUSEUMS, PLANETARIUMS, AND NASA VISITOR CENTERS

<https://informal.jpl.nasa.gov/museum/CP4SMP/Projects>



Is the Future—How Will You Get Involved?